## MICRO X-II Series
- **Operating frequency**
  - Micro X-II: 902-928 MHz (US) 868-868 MHz (EU)
  - Micro X-II Paintshop: 902-928 MHz (US) 868-868 MHz (EU)
  - Micro X-II Autoclavable: 902-928 MHz (US) 868-868 MHz (EU)
  - Micro X-II Plus Automotive: 902-928 MHz (US) 868-868 MHz (EU)
- **IC type**
  - Alien Higgs-3
- **Memory configuration**
  - 96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID
- **Read range on metal (2W ERP)**
  - Up to 33 ft (10 m)
- **Case material**
  - Engineering grade nylon polymer
- **Rivet hole, ø 0.12 in (3.2 mm), adhesive optional**
  - Screws (Rivet hole, M3) Pop rivets (Max size 2.4 mm)
- **Mounting system**
  - -40°F to +185°F (-40°C to +85°C)
- **Application temperature**
  - -40°F to +482°F (-40°C to +250°C)
- **Compression strength**
  - 181 psi (1250 kPa)
- **IP classification**
  - IP68
- **Dimensions**
  - 2.01 x 1.43 x 0.30 in (51 x 36.3 x 7.5 mm)
- **Weight**
  - 0.6 oz (28 g)
- **Suggested applications**
  - Bulk container tracking, vehicle tracking, post-press oven baking, medical equipment tracking

## XS Series
- **Operating frequency**
  - XS Dash-On: 902-928 MHz (US) 868-868 MHz (EU)
  - XS Dot-On: 902-928 MHz (US) 868-868 MHz (EU)
  - XS Dot Wedge: 902-928 MHz (US) 868-868 MHz (EU)
- **IC type**
  - Alien Higgs-3
- **Memory configuration**
  - 96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID
- **Read range on metal (2W ERP)**
  - Up to 33 ft (10 m)
- **Case material**
  - Engineering grade nylon polymer
- **Rivet hole, ø 0.12 in (3.2 mm), adhesive optional**
  - Screws (Rivet hole, M3) Pop rivets (Max size 2.4 mm)
- **Mounting system**
  - -40°F to +185°F (-40°C to +85°C)
- **Application temperature**
  - -40°F to +482°F (-40°C to +250°C)
- **Compression strength**
  - 181 psi (1250 kPa)
- **IP classification**
  - IP68
- **Dimensions**
  - 2.01 x 1.43 x 0.30 in (51 x 36.3 x 7.5 mm)
- **Weight**
  - 0.6 oz (28 g)
- **Suggested applications**
  - Bulk container tracking, vehicle tracking, post-press oven baking, medical equipment tracking

*CAPTION:*

Global Frequency

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## Product Guide

### PICO Series
- **Pico X II Plus**
  - **Operating frequency**: 902-928 MHz (US) 868-868 MHz (EU)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 96 EPC bits, extendable to 480 bits (512-bit user memory), 64-bit TID
  - **Read range on metal (2W ERP)**: Up to 10 ft (3 m) when embedded
  - **Case material**: Engineering grade nylon polymer/ Ceramic

- **Pico-in Plus**
  - **Operating frequency**: 902-928 MHz (US) 868-868 MHz (EU)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 96 EPC bits, extendable to 480 bits, 512-bit user memory, 64-bit TID
  - **Read range off metal (2W ERP)**: Limited
  - **Case material**: Ceramic

### ROSWELL Series
- **Autoclaveable Roswell**
  - **Operating frequency**: 902-928 MHz (US) 868-868 MHz (EU)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 96 EPC bits, extendable to 480 bits, 512-bit user memory, 64-bit TID
  - **Read range on metal (2W ERP)**: Up to 6.6 ft (2 m) when embedded
  - **Case material**: Stainless steel, Aluminum 6061-T6

- **Xplorer Surface Xplorer Downhole**
  - **Operating frequency**: 902-928 MHz (US) 868-868 MHz (EU)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 96 EPC bits, extendable to 480 bits, 512-bit user memory, 64-bit TID
  - **Read range off metal (2W ERP)**: Limited
  - **Case material**: Anti-UV Industry Grade Polymer

### TRAK Series
- **Versa Trak**
  - **Operating frequency**: 902-928 MHz (US) 868-868 MHz (EU)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 48-bit serialized TID, 496 EPC bits, 128-bit user memory
  - **Read range on metal (2W ERP)**: Up to 14 ft (4.5 m) when embedded
  - **Case material**: Polycarbonate

- **Data Trak II**
  - **Operating frequency**: 902-928 MHz (US) 868-868 MHz (EU)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 128 EPC bits, 512-bit user memory
  - **Read range off metal (2W ERP)**: Limited
  - **Case material**: FR4

- **Global Trak**
  - **Operating frequency**: 800-960 MHz (Global)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 48-bit serialized TID, 496 EPC bits, 128-bit user memory
  - **Read range off metal (2W ERP)**: Limited
  - **Case material**: Polycarbonate

- **Slim Trak**
  - **Operating frequency**: 800-960 MHz (Global)
  - **IC type**: Alien Higgs-3
  - **Memory configuration**: 48-bit serialized TID, 496 EPC bits, 128-bit user memory
  - **Read range off metal (2W ERP)**: Limited
  - **Case material**: Polycarbonate

### Specifications

<table>
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<tr>
<th>Series</th>
<th>PICO Series</th>
<th>ROSWELL Series</th>
<th>TRAK Series</th>
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<tr>
<td><strong>Product</strong></td>
<td>Pico X II Plus</td>
<td>Pico-in Plus</td>
<td>Autoclaveable Roswell</td>
</tr>
<tr>
<td><strong>Operating frequency</strong></td>
<td>902-928 MHz (US) 868-868 MHz (EU)</td>
<td>902-928 MHz (US) 868-868 MHz (EU)</td>
<td>902-928 MHz (US) 868-868 MHz (EU)</td>
</tr>
<tr>
<td><strong>IC type</strong></td>
<td>Alien Higgs-3</td>
<td>Alien Higgs-3</td>
<td>Alien Higgs-3</td>
</tr>
<tr>
<td><strong>Memory configuration</strong></td>
<td>96 EPC bits, extendable to 480 bits (512-bit user memory), 64-bit TID</td>
<td>96 EPC bits, extendable to 480 bits, 512-bit user memory, 64-bit TID</td>
<td>96 EPC bits, extendable to 480 bits, 512-bit user memory, 64-bit TID</td>
</tr>
<tr>
<td><strong>Read range on metal (2W ERP)</strong></td>
<td>Up to 10 ft (3 m) when embedded</td>
<td>Up to 6.6 ft (2 m) when embedded</td>
<td>Up to 14 ft (4.5 m) when embedded</td>
</tr>
<tr>
<td><strong>Case material</strong></td>
<td>Engineering grade nylon polymer/ Ceramic</td>
<td>Stainless steel, Aluminum 6061-T6</td>
<td>Anti-UV Industry Grade Polymer</td>
</tr>
</tbody>
</table>

### Additional Features
- **Mounting system**: High performance adhesive, Epoxy, embeddable
- **Welding, cable tie, rivet hole a 0.19 in (5 mm)**
- **Embeddable**: High performance adhesive, Adhesive, built-in ø 0.1 in (2.6 mm) tethering hole
- **Operating temperature**: -22°F to +185°F (-30°C to +85°C)
- **Application temperature**: -40°F to +302°F (-40°C to +150°C)
- **Compression strength**: 174 psi (1200 kPa) / 170 psi (1170 kPa)
- **IP classification**: IP66, IP68
- **Dimensions**: 0.7 x 0.6 x 0.2 in (17.7 x 12.9 x 5.5 mm)
- **Weight**: 0.07 oz (2 g) / 0.005 oz (1.4 g)

### Applications
- **Suggested applications**: Tool tracking, weapon tracking, medical device management, instrument tracking, IT and laptop tracking, tool tracking, embedded bolt identification, weapons tracking, Surgical Trays, Oil & Gas Valve, Wellhead Management, Food Processing, Plants Automotive Manufacturing, Downhole and Surface Drill Pipes, Subsea Oil Rigs, ROVs and Wellheads, Unit Level Device identification, logistics management, pallet tracking, IT/Management, storage, rack identification, IT asset management, Datacenter servers, Healthcare equipment, Global supply chain logistics, IT asset management, datacenter servers, IT server rack, military asset & weapon tracking, tool tracking

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*CAPTION: Embeddable

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# Product Guide

## TRAK OUTDOORS Series vs METAL SKIN Series

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<th>TRAK OUTDOORS Series</th>
<th>METAL SKIN Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>Container Trak</td>
<td>Cargo Trak II</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>902-928MHz (US) 866-960MHz (EU)</td>
<td>902-928MHz (US) 866-960MHz (EU)</td>
</tr>
<tr>
<td>IG type</td>
<td>Imprint Monza RTI P</td>
<td>Alien Higgs-3</td>
</tr>
<tr>
<td>Memory configuration</td>
<td>128 EPC bits, 32-bit user memory, 48-bit TID; Max user memory 64-bit, 48 TID, 96 EPC bits</td>
<td>96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID</td>
</tr>
<tr>
<td>Read range on metal (2W ERP)</td>
<td>Up to 65 ft (20 m)</td>
<td>Up to 39 ft (12 m)</td>
</tr>
<tr>
<td>Read range off metal (2W ERP)</td>
<td>Up to 39 ft (15 m)</td>
<td>Up to 20 ft (6 m)</td>
</tr>
<tr>
<td>Case material</td>
<td>Anti-UV Industry Grade Polymer</td>
<td>Anti-UV Industry Grade Polymer</td>
</tr>
<tr>
<td>Mounting system</td>
<td>Rivet hole, ø 0.14 In. adhesive (optional)</td>
<td>Rivet hole, ø 0.14 In. adhesive (optional)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°F to +185°F (-40°C to +85°C)</td>
<td>-40°F to +185°F (-40°C to +85°C)</td>
</tr>
<tr>
<td>Application temperature</td>
<td>-40°F to +185°F (-40°C to +85°C)</td>
<td>-40°F to +185°F (-40°C to +85°C)</td>
</tr>
<tr>
<td>Compression strength</td>
<td>29 psi (200 kPa)</td>
<td>29 psi (200 kPa)</td>
</tr>
<tr>
<td>IP classification</td>
<td>IP68</td>
<td>IP68</td>
</tr>
<tr>
<td>Dimensions</td>
<td>5.5 x 4.6 x 0.47 In. (138 x 442 x 12 mm)</td>
<td>3.94 x 1.02 x 0.35 In. (100 x 25.9 x 8.9 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.45 oz (41 g)</td>
<td>0.62 oz (17.8 g)</td>
</tr>
<tr>
<td>Suggested applications</td>
<td>Outdoor using, Vehicle chassis and trailer tracking, Unit Load Device identification, logistics management</td>
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</tr>
</tbody>
</table>

*CAPTION:  
Ensemble  
Global Frequency*
Xerafy High Temperature RFID Tags

Application temperature over 392°F (200°C)

- 482°F (250°C)
- 392°F (200°C)
- 185°F (85°C)
- -40°F (-40°C)

Micro X-II, Micro X-II Paintshop, Micro X-II Plus Automotive, Theta Inlay, XS Dot Wedge
Xerify Ultra Long-Range RFID Tags

Read range is tested on metal with fixed reader (2W ERP)
Xerify Small Footprint RFID Tags